

C1 41920

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER 13

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED Approved 03 21 16 2/15/22 (SD) Depth of Well 480 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-15-0220

OWNER Fuller last name Evon + Jessica first name WELL SITE ADDRESS 10286 Crestview Lane TOWN Laurel SUBDIVISION Harwood Park SECTION LOT 15

WELL LOG Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Topsoil, Silt & mica, Weathered Rock, Dark Brown br mica, Rock Schist, and Blue med Hard with mica.

GROUTING RECORD Form with fields for WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD Form with checkboxes for casing types: STEEL, CONCRETE, PLASTIC, OTHER.

MAIN CASING TYPE Form with fields for Nominal diameter top (main) casing and Total depth of main casing.

OTHER CASING (if used) Form with fields for diameter and depth.

SCREEN RECORD Form with checkboxes for screen types: STEEL, BRASS, OPEN HOLE, PLASTIC, OTHER.

PUMPING TEST Form with fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, TYPE OF PUMP USED.

PUMP INSTALLED Form with fields for DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED: YES (Y) NO (N)

DEPTH (nearest ft.) Form with grid for recording depth measurements.

- CIRCLE APPROPRIATE LETTER: A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED; E ELECTRIC LOG OBTAINED; P TEST WELL CONVERTED TO PRODUCTION WELL.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. 1 MWD 5722 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 A D 1491

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

LATITUDE 39.154074 LONGITUDE 76.887380 (DEFAULT COORD. WGS 84)

Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed.

B 1	SEQUENCE NO. (MDE USE ONLY) 46351	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 558021	STATE PERMIT NUMBER HO - 15 - 0220 <small>70 fill in this form completely 79</small>
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Date Received (APA) 03/03/16
8 MM DD YY 13

OWNER INFORMATION

15 Last Name Fuller Owner Evan + Jessica First Name 34

36 Street or RFD 10786 Crestview Lane W. 55

57 Town Laurel 70 State MD 72 Zip 20723 76

B 3 LOCATION OF WELL

8 COUNTY Howard 21

23 SUBDIVISION Hammond Park 42

SECTION 44 46 LOT 15 48 50

52 NEAREST TOWN Laurel 71

DRILLER INFORMATION

Driller's Name Samuel A. Connelly MWD 572 76 License No. 81

Firm Name Connelly + Associates, Inc

Address 2100 Interstate Ct. Frederick, MD 21704

Signature Samuel A. Connelly Date 3/3/16

B 4 SOURCES OF DRILLING WATER

1. Private

2.

3.

11 STREET ADDRESS 10786 Crestview Ln W 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH
 WEST
 EAST
 SOUTH

34 112 37 DISTANCE FROM ROAD ET

ENTER FT OR MI 38 39

TAX MAP: 41 BLK: 10 PARCEL 297

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL

1 x 430'

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME Howard COUNTY NO. (13)

STATE SIGNATURE _____ INSERT S →

DATE ISSUED 3/8/16 43 MM DD YY 48 CO SIGNATURE Samuel A. Connelly 3/8/17 EXP. DATE

APPROXIMATE DEPTH OF WELL 480 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary DRIVE-POINT

other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

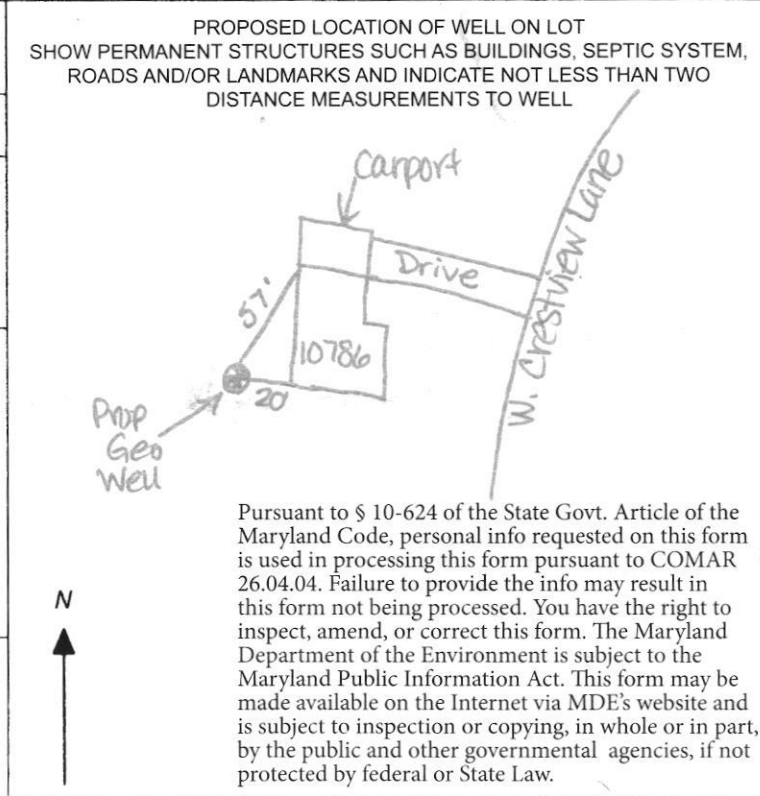
THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER _____ **G** _____

PERMIT No. HO - 15 - 0220
70 71 72 73 74 75 76 77 78 79

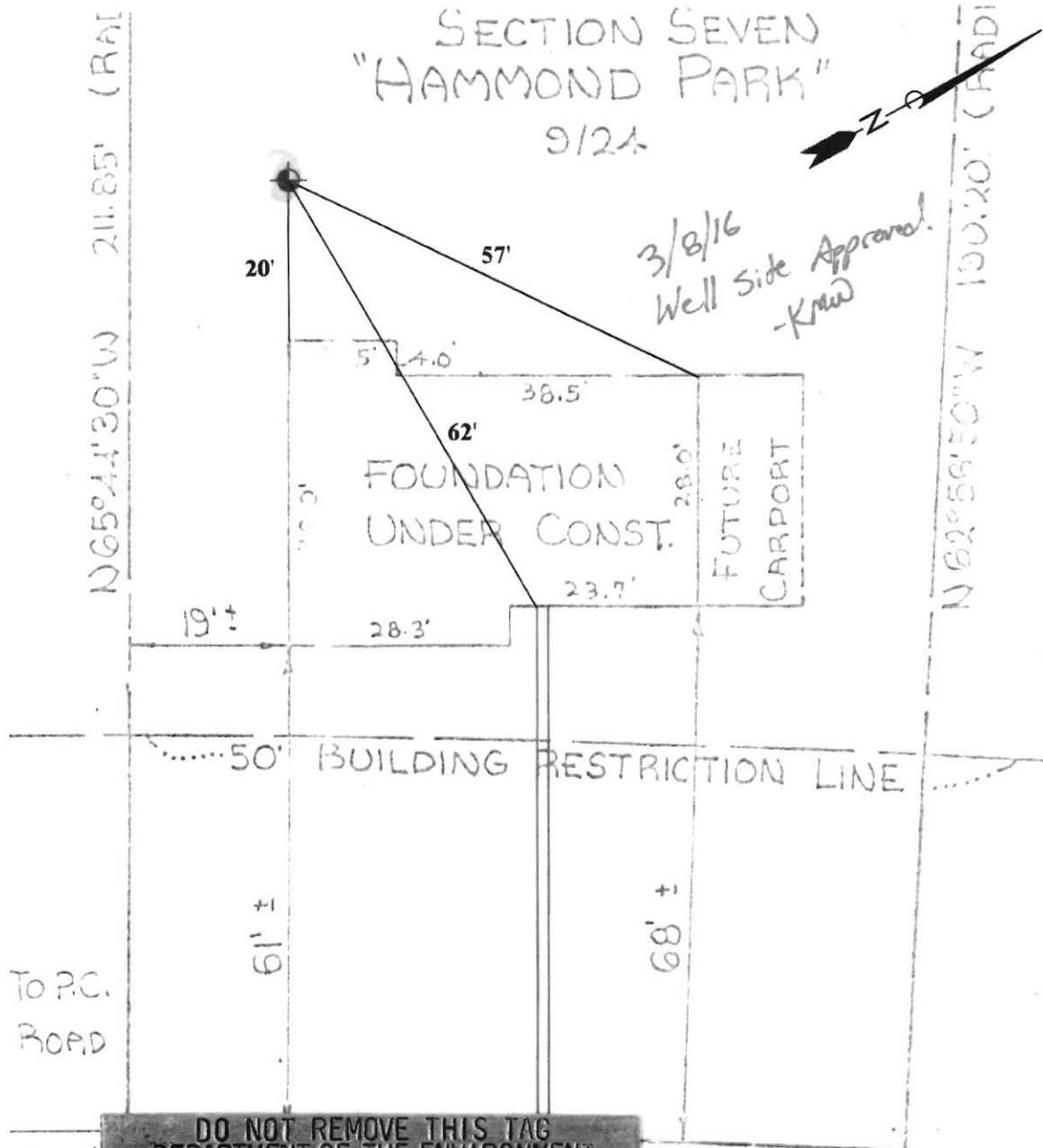


SPECIAL CONDITIONS Grout bottom to top.

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

SECTION SEVEN
"HAMMOND PARK"

9/24

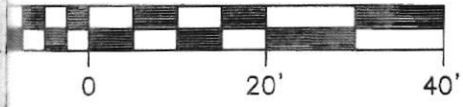


DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

H0-15-0220

INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND, 21230

GRAPHICAL SCALE



- PROP LOCAT
- APPR
- APPR

Connelly Geothermal
Partnering with Mother Earth

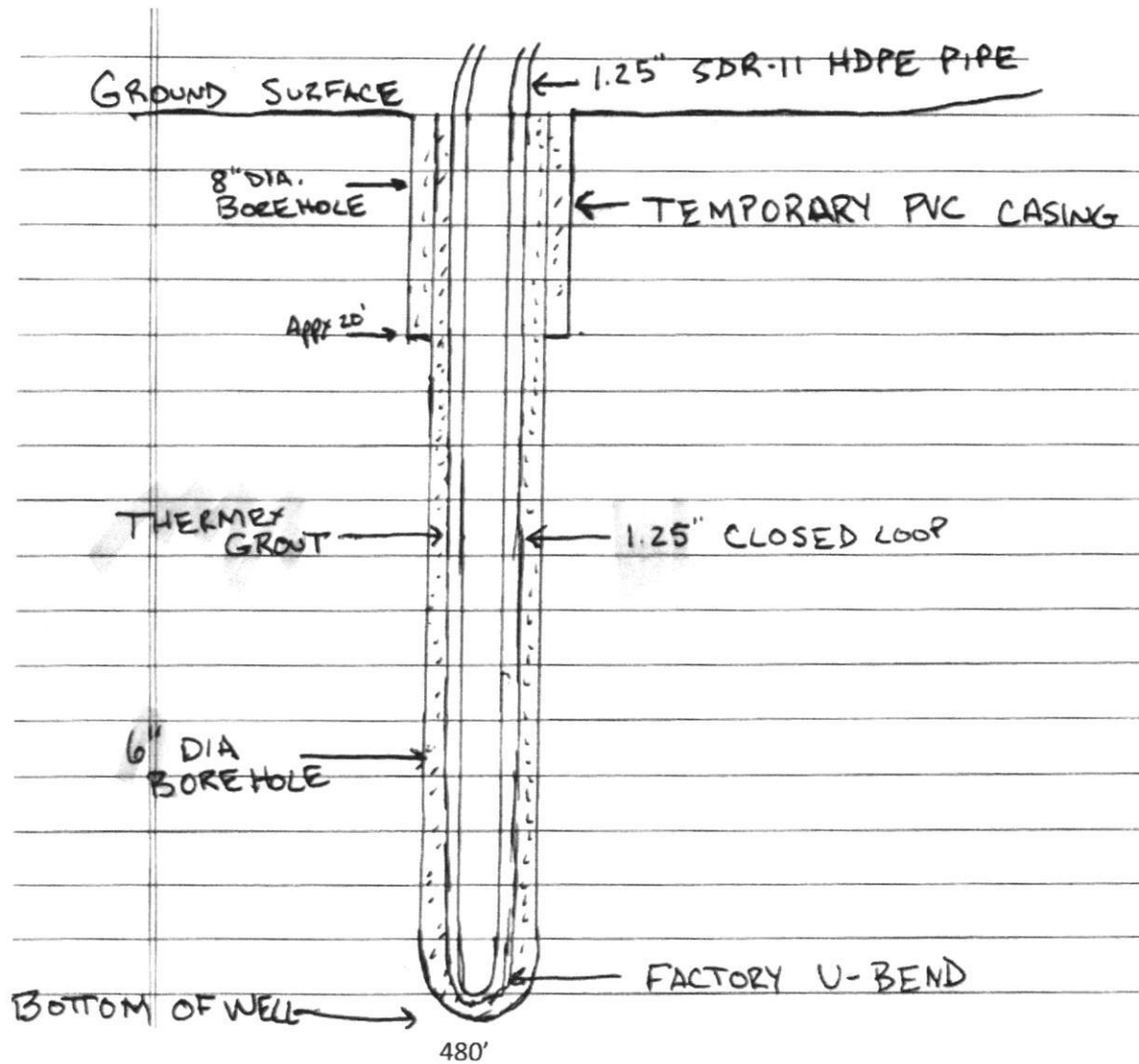
260 Interstate Court (301) 696-8820
Frederick, Maryland 21704 (301) 696-0327 fax

FULLER RESIDENCE
10786 W CRESTVIEW LANE, LAUREL, MARYLAND 20723

PROPOSED GEOTHERMAL WELL LOCATION PLAN		Scale: AS SHOWN	Fig. 1
Date: MAR. 2016	Drawn By: J.A.	Checked By: E.S.	Project No.: 00000

P:\Geothermal\2016 Projects\Supreme Ark\Fuller Residence\Documents\Fuller Residence - Proposed Geothermal Well Location Plan.dwg

Geothermal Closed Loop – 10786 W. Crestview Lane, Laurel, MD 20723



Grout information for this property is as follows:

Thermex grout mixture of 50 lb. grout to 19 gallons water, placed in the well using the tremie method, from bottom to top.

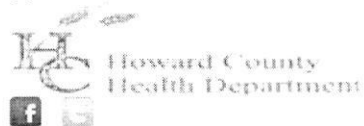
Wolf, Kevin

From: Wolf, Kevin
Sent: Monday, March 07, 2016 11:33 AM
To: 'Emily Sottile'
Subject: RE: Permit Status - 10786 W Crestview Lane
Attachments: 20160307113722189.pdf

Emily, I was just going to send out a memo on this one. For the property site plan you submitted with the permit, I do not see the public water and sewer line connection on the plan. This needs to be shown with respect to the required setbacks to the proposed geobore(s). We also need to know what material the public sewer line is made of.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS
Groundwater Mgmt. Sec. Supervisor
Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2645
(f) 410-313-2648



kwolf@howardcountymd.gov

CONFIDENTIALITY NOTICE

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From: Emily Sottile [<mailto:emily@connellygeothermal.com>]
Sent: Monday, March 07, 2016 9:49 AM
To: Wolf, Kevin
Subject: Permit Status - 10786 W Crestview Lane

Hi Kevin,

I know I just dropped off this application on Thursday, but we have it scheduled to begin 3/16, so I'm just checking in to make sure there are no issues with it.

Thank you,

Emily Sottile | Business Operations Manager | Connely Geothermal | cell: 301-305-0481
emily@connellygeothermal.com | connellygeothermal.com | office: 301-696-8820 Ext. 19

Real Property Data Search (w1)

Guide to searching the database

Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption			View GroundRent Registration				
Account Identifier:		District - 06 Account Number - 399746							
Owner Information									
Owner Name:		FULLER EVAN FULLER JESSICA			Use: Principal Residence:		RESIDENTIAL YES		
Mailing Address:		10786 CRESTVIEW LN LAUREL MD 20723-1162			Deed Reference:		/15657/ 00001		
Location & Structure Information									
Premises Address:		10786 CRESTVIEW LN LAUREL 20723-0000			Legal Description:		LOT 15 20,560 SQ' 10786 CRESTVIEW LN HAMMOND PARK S7		
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:
0041	0023	0297		0000		6	15	2014	Plat Ref:
Special Tax Areas:				Town:		NONE			
				Ad Valorem:		104			
				Tax Class:					
Primary Structure Built		Above Grade Enclosed Area		Finished Basement Area		Property Land Area		County Use	
1963		1,624 SF		810 SF		20,560 SF			
Stories	Basement	Type		Exterior	Full/Half Bath	Garage	Last Major Renovation		
1	YES	STANDARD UNIT		BRICK	2 full	1 Carport			
Value Information									
		Base Value		Value		Phase-in Assessments			
				As of		As of		As of	
				01/01/2014		07/01/2015		07/01/2016	
Land:		170,100		170,100					
Improvements		207,500		232,600					
Total:		377,600		402,700		394,333		402,700	
Preferential Land:		0						0	
Transfer Information									
Seller: BIRCH DAVID M				Date: 06/26/2014		Price: \$430,000			
Type: ARMS LENGTH IMPROVED				Deed1: /15657/ 00001		Deed2:			
Seller: DURBIN JOSEPH H ADN WF				Date: 06/12/2001		Price: \$249,000			
Type: ARMS LENGTH IMPROVED				Deed1: /05521/ 00497		Deed2:			
Seller:				Date:		Price:			
Type:				Deed1:		Deed2:			
Exemption Information									
Partial Exempt Assessments:		Class		07/01/2015		07/01/2016			
County:		000		0.00		0.00			
State:		000		0.00		0.00			
Municipal:		000		0.00 0.00		0.00 0.00			
Tax Exempt:				Special Tax Recapture:					
Exempt Class:				NONE					
Homestead Application Information									
Homestead Application Status: Approved 05/01/2014									

1. This screen allows you to search the Real Property database and display property records.
2. Click [here](#) for a glossary of terms.
3. Deleted accounts can only be selected by Property Account Identifier.

HOWARD COUNTY DEPARTMENT OF FINANCE

Legacy Water/Sewer

Street Address Search

Account No

Date Created:

Building:

Tax ID: Land Use:

Subdivision:

Master Information Application Data Comments Bill History Payment History

Name on Account: Service Type: Cycle:

Pay Status: Bill Stat:

Primary Billing Address

Secondary Billing Address

Meter Information

Meter No:

ERT:

Date Instld:

Manufact:

Meter Size:

Perm Code:

Compound:

Surch Code:

Surch Area:

Surch Rate:

Meter / SubMeter Info

Master Mtr:

Meter Location:

10786 Crestview Lane – Site layout for geothermal

